

Signal-Averaged Electrocardiogram (SAECG)

A Signal-Averaged Electrocardiogram, (SAECG) is a specialized ECG which may identify areas of delayed electrical conduction of the heart. Delayed conduction, which usually occurs near scar tissue, is often associated with certain abnormal heart rhythms (arrhythmias). This test can help your doctor determine whether or not you are at risk for developing an arrhythmia.

The Signal-Averaged ECG (SAECG) is performed similar to a regular ECG. Electrodes are placed across your chest and on your back, and are connected to an ECG machine. This machine has a computer which magnifies electrical activity in the heart, and measures and analyzes this activity. You must lie quietly while the test is in progress, which only takes a few minutes. This test can be done in the ECG department, or in your hospital room. When the test is completed, your doctor will discuss the results with you.